

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human c-Fos in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant human Fos-B is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human c-Fos Met1-Leu132 Accession # P01100
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

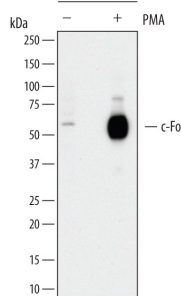
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.2 µg/mL	See Below
Immunocytochemistry	3-25 µg/mL	See Below

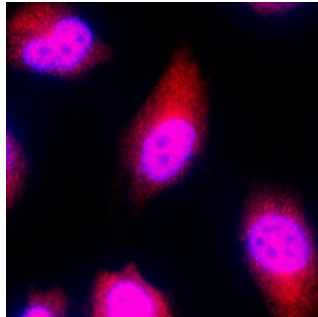
DATA

Western Blot



Detection of Human c-Fos by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line untreated (-) or treated (+) with 200 nM PMA for 4 hours. PVDF membrane was probed with 0.2 µg/mL of Sheep Anti-Human c-Fos Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7254) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for c-Fos at approximately 62 kDa (as indicated). This experiment was conducted under reducing conditions and using *Immunoblot Buffer Group 1*.

Immunocytochemistry



c-Fos in HeLa Human Cell Line. c-Fos was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using Sheep Anti-Human c-Fos Antigen Affinity-purified Polyclonal Antibody (Catalog # AF7254) at 3 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Sheep IgG Secondary Antibody (red; Catalog # NL010) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cellular oncogene fos (c-Fos) is one of four Fos family proteins that associate with Jun family proteins to form the AP-1 transcription factor complex. It is thought to have an important role in signal transduction, cell proliferation and differentiation. Cellular oncogene fos (c-Fos) is constitutively sumoylated by SUMO1, SUMO2 and SUMO3. Within aa 1-132, human c-Fos shares 92% aa sequence identity with mouse and rat c-Fos.